

1. (Amended) A method of treating a human patient having a disease, disorder or condition of the central nervous system, the method comprising obtaining a bone marrow sample from a human donor, isolating stromal cells from said bone marrow sample, and administering said isolated stromal cells to the central nervous system of said human patient, wherein the presence of said isolated stromal cells in said central nervous system effects treatment of said disease, disorder or condition, and further wherein said disease, disorder or condition is selected from the group consisting of Parkinson's disease, stroke, cerebral ischemia, and spinal cord injury.

11. 19. (Amended) A method of directing the differentiation of a ^{neural} isolated stromal cell into a neural cell, comprising culturing said isolated stromal cell in the presence of a substantially homogeneous population of differentiated neural cells whereby said isolated stromal cell differentiates and acquires the phenotypic characteristics of said differentiated neural cells.

Please cancel claims 4, 5, and 6, without prejudice to the inclusion of the subject matter contained therein in any later filed continuation or divisional application.

REMARKS

The present invention relates to novel isolated marrow stromal cells ("MSCs") for use in treatment of a central nervous system ("CNS") disease, disorder or condition. The invention discloses methods comprising administering isolated marrow stromal cells into the CNS of a human patient thereby effecting treatment of a disease, disorder or condition thereof. Moreover, the stromal cells may be cultured *in vitro*, genetically engineered to produce therapeutic compounds, and/or pre-differentiated prior to administration into the CNS.

Original claims 1-3 and 7-20, are pending in the application, and claims 4-6 have been cancelled herein. Claims 1 and 19 have been amended in accordance with the undersigned's understanding of the discussion now memorialized in the Interview Summary of August 6, 2001. Support for these amendments is present in the specification as filed as more fully set forth elsewhere herein; thus, no new matter has been added by way of these amendments.